

CAPITAL IMPROVEMENT PLAN FY 2021 to FY 2025

STATUS OF FULLY FUNDED PROJECTS

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18-230	Public Safety Vehicle Network Connection Upgrade (Mobile Network Device Systems)	175,000	6/30/2021
This project will provide for an upgrade of the network connections in the City's public safety vehicles (fire trucks and police vehicles), an additional server for the mobile network device system to ensure high availability use, and additional licenses to the mobile network device systems needed for public safety staff (Sheriff and Fire).			
19-230	Sheriff - Civil Papers Software Replacement	130,000	6/30/2021
This project will provide for the replacement of the civil papers software program used by the Sheriff's Office.			
20-240	Fire Station Exhaust Removal Systems Replacement	300,000	6/30/2021
This project will provide for the removal and replacement of the vehicle exhaust filtering systems in twelve fire station apparatus bays.			
21-240	Jail Booking Area Facility Renovation	150,000	12/31/2021
This project will renovate the booking section of the Chesapeake Correctional Center. This project will include redesigning the floor footprint to incorporate the body scanner system, provide access to the Police Lobby, increase the working space for Sheriff's Deputies, and increase the seating space for inmates. It will also move the sliding doors and replace them with a pneumatic (pressurized air controlled) sliding door.			
22-210	Jail - Kitchen Equipment Replacement	194,484	Unknown
This project will provide for the replacement of retherm units and ice machine in the Chesapeake Correctional Center.			
25-210	Jail - Surveillance System Digital Conversion & Additional Cameras	722,000	Unknown
This project will replace all existing analog surveillance cameras within the jail, which will complete the conversion to an all-digital surveillance camera system. This project will also install 36 additional cameras, which will be added to each day room area in the Old Jail, the 1987 Addition, and the Old Work Force Center. The same model will be purchased for the replacement and additional cameras (corner mount, no grip, vandal resistant digital security camera with service monitor cables).			
26-190	Police - Emergency Vehicle Storage Facility	612,400	Completed
This project will construct a 4-bay garage on the site of the new Public Safety Operations Building for Police specialty vehicles and equipment. This will provide a central location to store and deploy. The project will include security and card access systems and electricity for the garage.			
27-210	Police - Mobile Command Vehicle Replacement	405,947	Completed
This project will provide for the purchase of a replacement mobile command vehicle for the Police Dept.			
Project Number	Project Title	Total Appropriations	Anticipated Completion Date
Public Utilities			
15-170	Sewer Renewal: 18th Street	1,124,270	3/31/2022
This project will provide for the renewal or replacement of approximately 1,250 of the existing 8" and 12" sewer mains along 18th Street between its intersection with "D" Street and its intersection with Seaboard Avenue in South Norfolk.			
18-170	Sewer Renewal: Chesapeake Ave. (Guerriere to Ohio Sewer)	616,797	3/31/2022
This project will replace approx. 1,005 ft. of gravity sewer mains and appurtenances on Chesapeake Avenue (between Ohio and Guerriere Streets), and a pipe segment on Ohio Street (between Jackson Avenue and Rodgers Street). This is a joint effort between the Public Utilities and Public Works Depts. with Public Works leading the project management efforts for design and construction.			
20-170	Crestwood Sewer - Phase II (Pump Station #931)	2,831,535	Unknown
This project will renew or replace 6,700 ft. of 8" gravity sewer main and appurtenances for mains flowing to Lincoln Street. This will include Carver Street and alleys between the following streets: Dunn/Outlaw, Bainbridge/Tuskegee, Tuskegee/Ray, Ray/Pile, Pile/Durham, and Durham/Laura.			

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21-140	Battlefield to Centerville Water Main - Phase I	5,205,689	Unknown
This project will improve the City's water distribution system, reliability, and fire protection via a transmission main on Etheridge Manor Boulevard from Battlefield Boulevard to Jule Drive. Phase I will consist of 2,685 linear ft. of HDD 30" HDPE pipe and 3,276 linear ft. of 24" DIP water main. When combined with other transmission mains installed on Centerville Turnpike, this main will provide significantly increased reliability and fire protection to the southeast section of Greenbrier (north of the Chesapeake and Albemarle Canal near Butts Station and Elbow Roads).			
21-170	Crestwood Sewer - Phase III (Pump Station #12)	1,600,364	Unknown
This project will replace approximately 3,360 linear ft. of 8" gravity sewer main and appurtenances along Booker Street, the alleyway north of Carver Street, and the alleyways on both sides of Charles Street to the interstate.			
22-140	Battlefield to Centerville Water Main - Phase II	4,164,000	Completed
This project will improve the City's water distribution system, reliability, and fire protection by the installation of a transmission main in the Etheridge Manor Boulevard corridor from Jule Drive to Centerville Turnpike. Phase II will consist of 7,600 linear ft. of 24" DIP Water Main. When combined with other transmission mains installed on Centerville Turnpike, this main will provide significantly increased reliability and fire protection to the southeast section of Greenbrier (north of the Chesapeake and Albemarle Canal near Butts Station and Elbow Roads).			
22-220	Sewer System Redesign/Construction: Albemarle Dr.	700,000	10/31/2022
This project will provide for redesign and construction of a new main sewer gravity system on Albemarle Drive, and will include a new grinder system to effectively deal with the specialized waste stream from the Jail and Juvenile Services.			
23-170	Sewer and Water Renewal: Elbyrne Dr.	2,155,000	3/31/2022
This project will renew or replace approx. 2,160 ft. of the existing 8" sewer main along Elbyrne Drive between its intersections with Wingfield Avenue and with Pond Lane in South Norfolk.			
24-120	Water System Renewal - Phase I	893,000	9/30/2020
This project will provide for replacement of small water lines and antiquated appurtenances not currently identified that may occur as the result of problems experienced with leaks or other operational issues.			
24-200	Water Renewal: Buchanan St. Area	3,306,870	9/30/2022
This project will replace approx. 7,700 linear ft. of existing antiquated and undersized water main on Buchanan Street with a minimum 8" water main. This project will also include water renewals on Bainbridge Boulevard (north of Porter Street to the City line), Grady Street, Stewart Street (north of Poindexter Street), Butt Street, D Street, and part of Decatur Street to restore fire protection in this area.			
25-200	Unserved Areas/Cost Participation - Phase II: Cedar Rd. Sewer Extension	1,879,200	Completed
This project will provide for the installation of City water and/or sanitary sewer services to areas that are not currently served. This project will specifically include the extension of the existing sewer mains along Cedar Road in two different locations: (1) the Grassfield corridor will extend the existing main southwest from 2076 Cedar Road to 2128 Cedar Road, and (2) the Shillelagh corridor will extend the existing main northeast from 1904 Cedar Road to 1929 Cedar Road. It will serve a total of 13 fronting lots.			
25-202	Unserved Areas/Cost Participation - Phase II: Willow Lakes Utility	3,100,000	8/31/2022
This sub-project will provide for the design and construction needed to provide City water and sewer services to the Willow Lakes area. It will serve the lots that border Lake Shore Drive. This is a sub-project of the main "Unserved Areas/Cost Participation-Phase II" project # 25-200.			
26-170	Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	2,753,902	Completed
This project consists of the renewal and/or replacement of 3,600 linear ft. of gravity sewer mains and appurtenances along Liberty Street, from Collingswood Avenue to 18th Street, with a branch to 22nd Street, 20th Street, and Latham Street.			
26-200	Water Control Laboratory - Upgrade HVAC	480,000	Completed

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Upgrade and replace components of the HVAC and boiler system for the Water Quality Laboratory.			
27-120	Sanitary Sewer Evaluation Study	8,660,079	Ongoing
This project will provide for the completion of a Sanitary Sewer Evaluation Study (SSES).			
28-170	Manhole Rehabilitation	922,000	6/30/2022
This project will provide funding for manhole rehabilitation projects.			
29-050	Joliff Rd. Waterline - Phase II	653,800	Completed
This project will provide for the installation of a 12" and a 16" water main, which will improve system hydraulics and fire protection in this area of Western Branch. (Lowes Shopping Center).			
29-200	Northwest River WTP - Replace Ground Storage Tank	1,680,000	11/30/2021
This project will provide for the replacement of one of the existing two-million gallon water storage tanks.			
30-200	Northwest River WTP - Replace Bulk Chemical Storage Tanks	1,200,000	4/30/2021
This project will provide for the removal, disposal, and replacement of chemical storage tanks at the Northwest River Water Treatment Plant.			
30-210	Public Utilities - CIS Upgrade	100,000	Ongoing
This project provides periodic upgrades to the Public Utility CIS billing system, which was originally implemented in October 2013. This system functions with primary integrations with the City's financial system, the Treasurer, and the Hampton Roads Sanitation District (HRSD).			
31-200	Water Production Security System Upgrades	400,000	Completed
This project will upgrade the water treatment plant security systems based on evaluation of existing conditions.			
32-120	Sewer Renewal: SSES Implementation - Phase I	4,516,036	Completed
This project will consist of sewer renewal projects in two distinct service areas: Indian River and Rosemont Avenue. Plans will replace deficient sanitary sewer components identified as critical in the Sewer System Evaluation Survey (SSES). Phase I will improve the gravity sewer system for the Indian River service area with the improvements at Pump Station #3 located within the Indian River Estates subdivision. The existing sanitary sewer mains from Pump Station #7 north to Rosemont Avenue will also be replaced with this project.			
32-200	Water Residuals Disposal	320,000	Ongoing
This project will provide for a long-term solution for the disposal of residuals (byproducts) resulting from water treatment.			
32-210	Water & Sewer Pump Station Telemetry Installation and Upgrade	400,000	12/31/2020
This project will provide for the installation of wireless telemetry in finished water pump stations, and the upgrade of existing telemetry in sewer pump stations from analog to digital.			
33-120	Sewer Renewal: SSES Implementation - Phase II (Indian River Area Study/PS #107 Upgrade)	4,879,737	2/28/2022
This project will implement the second phase of improvements necessary to address deficiencies identified in the Sewer System Evaluation Survey (SSES). Phase II will provide for an engineering assessment and recommendations for improving the existing Force Mains and Pump Station in the City's Indian River area. (See also project # 27-120 "Sewer System Evaluation Survey (SSES)" and project # 32-120 for details of Phase I). Based on the preliminary Engineering Study, this project will provide for the overhaul and complete replacement of the existing City pumping station #107 located on Providence Road, the replacement of 930 ft. of the existing force main, and installation of a gravity sewer line. (Location: Washington Borough).			
33-200	Western Branch Elevated Tank Rehabilitation	1,200,000	12/31/2022
This project will provide for rehabilitation of the Western Branch Elevated Tank, which will include re-coating interior and exterior surfaces, repairing the tank floor, installing a mixing system, upgrading safety devices, and installing water quality monitoring equipment.			
34-120	Customer Service & Billing Software	5,900,000	Ongoing
This project will provide for the replacement of Customer Service and Billing Software system used by Public Utilities.			
34-200	Force Main Replacement: Dominion Blvd. and I-64	3,738,700	9/30/2022

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This project will renew and replace 4,926 linear ft. of 4" and 12" force main between Pump Stations #110 and #142. This project may also need to include directional drilling under Interstate 64 and Interstate 464.			
35-170	Sewer Improvements: Gravity Sewer System at Indian River Service Area - Phase I (Pump Station #3)	6,272,978	1/31/2022
This project will provide for improvements to the existing gravity sewer system in the City's Indian River area, including improvements to Pump Station 3. This project will replace the all of the existing antiquated gravity sewer and will install approx. 15,026 ft. of new gravity sewer within the service area of Pump Station 3, and will include new sewer within the Indian River Estates subdivision and adjacent parcels.			
40-130	Murray Dr. and Whittamore Rd. Water Project	6,000,000	Completed
This project will provide design services and construction for water for neighborhoods in the vicinity of the Battlefield Golf Club. (Funded by Dominion Power). This project will consist of installation of a 16" water main along Centerville Turnpike from Etheridge Manor Boulevard to the existing 16" City water main near Albemarle Acres. Also, 8" and 10" water mains will be extended on Murray Drive and Whittamore Road.			
42-170	Sewer Renewal: Westwood Ave. and Redstart Ave.	1,106,000	7/30/2020
This project consists of the renewal and/or replacement of 5,000 linear ft. of gravity sewer mains and appurtenances along Westwood Avenue, Redstart Avenue, and Virginia Avenue, and up to the connection point at Bainbridge Boulevard to the existing 18" Hampton Roads Sanitation District (HRSD) sewer main. To maximize efficiency, this project will be completed at the same time as the sewer improvements to Virginia Avenue (which will be completed by the "Sewer Renewal: Additional Consent Order Capital Requirement" project # 05-180).			
43-120	Centerville Turnpike Loop 3	7,929,000	8/31/2021
This project will install approximately 7,700 linear ft. of 16" water main from Mount Pleasant Road north to Elbow Road, crossing the Chesapeake and Albemarle Canal.			
45-120	South Norfolk Improvements	2,850,000	Ongoing
This project will install new water mains and replace substandard water mains and appurtenances at various locations in South Norfolk.			
64-230	Volvo Pkwy & Executive Blvd. Pump Station & Gravity Force Main (GB TIF)	3,100,000	6/30/2021
This project will provide for the construction of a pump station and force mains at Volvo Parkway and Executive Boulevard in Greenbrier. The new pump station will be known as the Summit Point Pump Station.			
65-230	Philmont Ave Septic System Disconnection	1,325,000	11/30/2022
This project will disconnect the existing septic system along Philmont Avenue, and replace it with the City's modern sanitary sewer system. The sanitary sewer discharge from the current system will be directed by gravity flow to a pump station that will be connected to a second sanitary system in the neighboring area. Thirty-nine (39) residential homes will be connected to the gravity lines. This project will be jointly managed by Public Utilities and Stormwater (with Public Utilities leading coordination) because the new system will generate water quality improvements.			
47-120	Western Branch Interconnect to Lake Gaston WTP	7,298,000	5/31/2022
This project will install water mains along Jolliff Road, which will bridge the gap between the existing mains and crossing I-664. This project will also connect the water mains of the Western Branch plant to the Cavalier Industrial Park and Deep Creek area of the City.			
52-230	Water Franchise Acquisition & System Renewals	6,000,000	Completed
This project will provide for the acquisition of a water franchise and system renewals.			
71-120	Water Renewals: Waterline Upgrades - Phase I	2,030,558	12/30/2020
This project will provide for replacement of water mains and appurtenances with adequate sizes and proper materials at various locations throughout the City.			
05-190	Oak Grove Elevated Tank Standpipe Replacement	390,000	5/31/2021
This project will replace the main water pipe (standpipe) that runs from the bottom of the Oak Grove elevated water storage tank to the "bowl" at the top of the tank.			
06-100	Greenbrier Pkwy. - Force Main Upgrade	2,700,389	10/31/2022

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This project will provide for the construction of 2,210 linear ft. of new 12" sewer force main along the east side of Greenbrier Parkway between Eden Way North and Volvo Parkway. The new force main will connect the two existing force mains.			
Project Number	Project Title	Total Appropriations	Anticipated Completion Date
Storm Water			
04-130	D Street Drainage Improvements	370,000	2/28/2022
This project will provide for the installation of a new drainage system along D Street including structures and basins.			
05-121	Neighborhood Drainage Improvements - Phase I	2,221,983	6/30/2022
This project will provide for citywide drainage improvements including acquisition of easements, replacement of pipes, re-grading ditches, and associated activities to address existing neighborhood drainage deficiencies. (See also project # 08-150 Phase II).			
05-140	Stormwater Quality Program/VPDES Permit Compliance	4,051,080	6/30/2022
This program will ensure compliance with the Virginia Pollution Discharge Elimination System Permit and update the City's MS4 (Municipal Separate Stormwater Sewer System) Program plan.			
05-142	Meads Court BMP	1,368,456	3/31/2022
This project will provide for the construction of a stormwater best management practice (BMP) for Meads Court.			
05-143	New Mill Regional BMP	2,045,950	2/28/2021
This project will construct a regional stormwater best management practice (BMP) for the New Mill area.			
05-144	22nd St. Regional BMP	627,500	Completed
This project will provide for the design and construction of a 22nd Street Regional BMP (pond) to improve drainage in the area and enhance water quality in the South Norfolk area of the City.			
06-120	Stormwater Mapping & Master Drainage Plan II	1,000,000	Completed
This project will continue updating the Stormwater Inventory Mapping and Master Drainage Plan.			
06-140	Border Rd. Area Drainage Improvements - Phase II	1,200,000	Unknown
This project will provide for neighborhood drainage improvements including the rehab/replacement of existing drainage systems along various streets in the Border Road area. Phase I of this project was completed two years ago. Phase II will complete the improvements recommended in the 2002 Border Road Drainage Study report.			
07-130	Lamberts Trail Area Drainage Improvements	2,100,000	Unknown
This project will improve the outfall using adequate sized pipe systems along Deep Creek Boulevard, re-grade roadside ditches, and re-set driveway pipes as needed within the Lamberts Trail area.			
09-150	Oakdale Area BMP and Drainage Improvements	5,000,000	2/28/2022
This project will provide for an updated study and construction of stormwater pipes, ditches, and lakes/BMPs to provide flood and water quality improvements.			
10-130	Royce Dr. Drainage Outfall Improvements	550,000	10/31/2021
This project will improve the outfall along East and West Royce Drives using adequate sized ditch cross sections. This project will also re-grade roadside ditches and re-set driveway pipes as needed within this area to improve drainage.			
13-130	Sunray Area Outfall Re-Grading	1,200,000	Completed
The project will provide for excavation and re-grading along the Sunray area outfall due to the significant accumulation of sediment and silt which needs to be removed in order to maintain the hydraulic capacity needed for this major stormwater drainage facility in this watershed.			
19-200	Welch Lane Drainage Improvements	480,000	12/31/2021
This project will provide for neighborhood drainage improvements that will include replacement and additions to the existing inadequate stormwater system to improve the level of protection to meet current stormwater design requirements.			

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20-200	Whittamore Rd. Outfall Improvements	300,000	12/31/2020
This project will provide for outfall improvements along Whittamore Road to include the widening and improving of the outfall cross section to improve the system capacity.			
24-220	Old Mill Rd. Drainage Improvements (Crossing Replacement)	750,000	12/31/2021
The project will provide for design and construction of Master Drainage Facility Improvements in the Deep Creek Watershed, which will include a crossing replacement at Old Mill Road.			
25-230	Elmwood Landing Area Drainage Improvements	1,550,000	6/30/2022
This project will provide for drainage improvements in the Elmwood Landing area. It will include related acquisition of easements, replacement of pipes, re-grading of ditches, and associated activities to address the existing neighborhood drainage deficiencies. It will also include the replacement of three downstream culvert crossings.			
26-230	Forest Lakes Outfall Improvements	900,000	12/31/2021
This project will provide for drainage and outfall improvements in the Forest Lakes area. It will include related acquisition of easements, replacement of pipes, re-grading of ditches, and associated activities to address the existing neighborhood drainage deficiencies. This project will also include the replacement of downstream culverts.			
26-240	Greenbrier Outfall Improvements	1,100,000	6/30/2022
This project will provide for drainage improvements with related acquisition of easements, replacement of pipes, re-grading of ditches, and associated activities to provide a higher level of protection and improved stormwater system in this watershed with inter-connected lake systems that are dependent on a single outlet control structure. This project will look at providing an improved outlet control structure, and the capacity to reduce flooding during major storm events.			
27-240	Nina Drive Area Outfall Improvements	1,500,000	6/30/2021
This project will complete drainage improvements to the Lisa Cove Outfall portion of the Nina Drive Area Outfall. The project will include drainage improvements to system from the Lisa Cove Outfall to Salvadore Drive and to Colombo Avenue. It will also include improvements along Colombo Avenue across Coffman Boulevard and Pinta Drive to the Nina Drive intersection. Several pipes will be upgraded with this project. The improved conveyance system will also be designed and constructed. Easements and wetland mitigation may also be required.			
29-230	Resiliency & Reliability Program	1,600,000	6/30/2022
This project will provide for drainage improvements with related acquisition of easements, replacement of pipes, re-grading of ditches, and associated activities to provide a higher level of protection and improved stormwater systems in city areas with inter-connected lake systems that are dependent on a single outlet control structure. This program will look at providing an improved outlet control structure in areas such as the Greenbrier lakes system, Etheridge lakes system, Stonegate lakes system, and other lake systems with drainage deficiencies. This project will also include the replacement of downstream culverts.			
34-210	Liberty St. Drainage System Replacement & Upgrade	850,000	Completed
This project will provide for drainage improvements including the rehab/replacement of the existing drainage system. Phase I was completed. This project will complete the replacement of the upstream portion of the drainage system in this area.			
40-210	Master Drainage Improvements II	1,908,000	Completed
This project will provide for the design and construction of Master Drainage Facility improvements in several watersheds including Bells Mill Watershed (Sub-basin 3), Cooper's Ditch Watershed, and Southern Chesapeake Watershed (Sub-Basin 2 and Sub-Basin 3).			
70-230	Crestwood Master Drainage Plan Update - Phase I	97,752	Completed
This project will provide for a watershed study for the assessment of flood prevention in the Crestwood Watershed.			
72-120	Colony Manor Outfall Improvements	415,000	Completed
The project includes the widening and straightening of the existing outfall to improve the system capacity.			
75-120	Partridge/Cloverdale Area Drainage Improvements	600,000	Completed

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The project will provide for the installation of concrete valley gutter/edging and a pipe system to carry the stormwater runoff and reduce the frequent flooding occurring in this area.			
76-120	Scenic Blvd. Drainage Improvements	260,000	12/31/2021
The project will provide for the re-grading of roadside ditches and re-setting of driveway pipes along Scenic Boulevard.			
77-120	Shillelagh Rd. Drainage Outfall Improvements	3,100,000	9/30/2021
This project will provide for improvements to the main outfall for Shillelagh Road, which will include widening the outfall and upgrading the downstream culvert crossing in order to improve drainage and prevent frequent flooding in this area.			
Project Number	Project Title	Total Appropriations	Anticipated Completion Date
Transportation			
02-190	Bruce Rd. Safety Improvements	1,519,812	Completed
This project will provide for installation of a traffic signal at Bruce Road and Miars Green, drainage and shoulder improvements on the north side of Bruce Road in the vicinity of Prince of Wales Drive, and turn lanes at Bruce Road and Peppercorn Drive.			
03-120	Grade Crossing Safety Program II	200,000	Unknown
This project provides local matching funds required for Highway/Rail Grade Crossing Safety Improvements. The project improves at-grade railroad crossings throughout the City.			
08-180	Deep Creek AIW Bridge Replacement	21,500,000	4/30/2025
This project will replace the federally-owned Deep Creek Atlantic Intracoastal Waterway (AIW) Bridge, currently a 2-lane split leaf bascule bridge, with a 5-lane drawbridge and improvements to the approaching roadways. This project will also preserve necessary rights-of-way needed for construction. This project is federally administered by the U.S. Army Corps of Engineers (USACE).			
17-130	Repair & Maintenance Roads and Bridges - Phase III	198,099	Unknown
This project will provide for repair and maintenance of roads and bridges in the City of Chesapeake with a dedicated funding source from collection of overweight citation fees.			
20-051	Gum Road Multi-Use Path - Phase II	549,229	Completed
This project will provide for the construction of a ten foot wide multi-use trail on the east side of Gum Road from Portsmouth Boulevard to Hunter's Cove.			
21-082	Traffic Signals and Intersection Improvements - Phase I	562,407	Unknown
This project will provide for the installation of traffic signals at various locations based upon traffic volumes and accident history.			
21-120	22nd Street Bridge Replacement	18,349,300	11/30/2020
This project will replace the existing 22nd Street overpass with a new 2-lane bridge which includes pedestrian and bicycle accommodations.			
23-061	US Route 17 Wetland Mitigation (Dominion Blvd.)	594,000	Unknown
This project will provide for the restoration/recreation of wetland area along Mains Creek in the Crestwood section of Chesapeake.			
23-200	Right Turn Lane Extension: Battlefield Blvd. at Hickory High School	100,000	Unknown
This project will extend the existing northbound right turn lane on S. Battlefield Blvd. at Hickory High School.			
26-161	CTS - Chesapeake Expressway Renewals - Phase Ib	2,706,911	Unknown
This project will provide for renewals and repairs to the Chesapeake Expressway, which will include resurfacing a portion of the expressway, performing drainage repairs, removing vegetation, and completing other repairs as described in the annual inspection report.			
26-163	CTS - Chesapeake Expressway Renewals - Phase Id	690,000	Unknown
This project will provide for renewals and repairs to the Chesapeake Expressway, which will include resurfacing a portion of the expressway, performing drainage repairs, removing vegetation, and completing other repairs as described in the annual inspection report.			

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27-220	Left Turn Lane and Signal Modification: Volvo Pkwy. at Greenbrier Pkwy.	350,000	12/31/2021
This project will add a westbound left turn lane from Greenbrier Parkway to Volvo Parkway, and provide for the design and installation of a modified traffic signal. Other project improvements may include drainage system enhancements and the relocation of existing utilities.			
29-220	Turn Lanes and Signal Modification: Hanbury Rd. at Johnstown Rd.	1,501,000	9/30/2022
This project will add turn lanes along Hanbury Road to address increased traffic volume along this roadway. This project will include intersection improvements at Hanbury Road and Johnstown Road, which will construct dual left turn lanes towards Johnstown Road south, install associated traffic signal modifications, and widen the pavement on Johnstown Road.			
30-220	Chesapeake Expressway Interchange at Mt. Pleasant Rd.	2,500,000	Completed
This project will provide for repairs to the Chesapeake Expressway Interchange at Mt. Pleasant Rd. to address damages caused by Hurricane Matthew in October 2016.			
31-230	Centerville Turnpike Bridge Feasibility Study	500,000	4/30/2021
This project will provide for a feasibility study to evaluate options for replacing the existing Centerville bridge with a fixed span bridge over the Albemarle and Chesapeake Canal that can also provide adequate vertical clearance for navigational activities and a wider bridge for the future roadway widening.			
32-220	Chesapeake Expressway Guardrail Improvements	750,180	Completed
This project will install new guardrail along the 168 Bypass/Chesapeake Expressway from the interchange at Mount Pleasant Road to the interchange at Hillcrest Parkway (approx. 5 miles). High-Tension Cable Guardrail will be installed in the median that will prevent median crossover crashes.			
32-240	Snowden St. Railroad Crossing Signals & Gates	250,000	Unknown
This project will install train-activated flashing lights and gates at the Snowden Street railroad crossing for the railway owned or operated by CSX Transportation, Inc. or its affiliate.			
33-220	Flashing Yellow Arrow (FYA) Installation - Battlefield Blvd.	438,300	Completed
This project will convert thirteen (13) existing traffic signals on Battlefield Boulevard to flashing yellow arrow traffic signals. This project will include the replacement of existing signal heads and upgrade for signal controllers to provide Flashing Yellow Arrow (FYA) operations.			
33-240	Pedestrian Sidewalk for Industrial Ave. to Liberty St.	763,000	12/31/2021
This project will construct a new 5 ft. sidewalk and pedestrian facilities in South Norfolk along one side of Industrial Avenue, Obendorfer Road, Seaboard Avenue, and across the train tracks to Liberty Street to provide pedestrian connectivity from Industrial Avenue to Liberty Street.			
34-220	Flashing Yellow Arrow (FYA) Installation - Portsmouth Blvd./Taylor Rd.	268,800	Completed
This project will convert eight (8) existing traffic signals on Portsmouth Boulevard and Taylor Road to flashing yellow arrow traffic signals. This project will include the replacement of existing signal heads and upgrade for signal controllers to provide Flashing Yellow Arrow (FYA) operations.			
35-210	CTS - Chesapeake Transportation System Renewals - Phase II	2,290,850	Unknown
This project will provide for Phase II repairs to the Chesapeake Expressway, which covers a 10-mile section of roadway from Hanbury Road to the North Carolina Line. This project includes repairs to the toll plaza, administration building, and all required support systems. Project work will include resurfacing, drainage system repairs, bridge repairs, and equipment replacement.			
36-210	Mt. Pleasant Rd. Widening - Phase I	2,300,000	9/30/2021
This project will widen Mt. Pleasant Road by constructing a third lane (center lane for left turning movements) between the Route 168 Interchange and Coopers Ditch Bridge.			
38-210	Right Turn Lane and Signal Modification: Woodlake Dr. at Greenbrier Pkwy.	2,160,000	12/31/2021

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This project will add an eastbound right turn lane from Woodlake Drive to Greenbrier Parkway, and provide for the design and installation of a modified traffic signal. Other improvements will include drainage system enhancements and the relocation of existing utilities within new right-of-way.			
38-230	Gilmerton Auxiliary Counterweights Bridge Repairs	1,514,913	12/31/2020
This project will provide for the complete redesign and repairs of the Gilmerton Bridge's existing auxiliary counterweight system. The new design and subsequent repairs will eliminate any potential for the auxiliary counterweight rollers to come free of their guides. It will also improve other existing features such as the current play with the rollers.			
39-230	Intersection Improvements: Battlefield Blvd. at Albemarle Dr.	1,350,000	5/31/2021
This project will provide for the addition of two left turn lanes from Albemarle Drive to Battlefield Boulevard and a new signal system for this intersection. This project will include the design and installation of the new traffic signal, enhancements to the current drainage system, and relocation of the existing utilities.			
40-230	Intersection Improvements: Battlefield Blvd. at Volvo Pkwy. - Phase I	1,350,000	3/30/2022
This project will widen Volvo Parkway at the intersection of Battlefield Blvd. at Volvo Parkway to improve the capacity of the intersection. It will include construction of new turn lanes and new roadway markings in existing lanes to improve traffic flow. The intersection improvements will be completed in two phases, and this project will complete the Phase I improvements. Phase I will improve the eastbound traffic movement by constructing a right-turn lane and re-striping the roadway to create three left-turn lanes, two through lanes, and an exclusive right-turn lane.			
41-230	Intersection Improvements: Butts Station Rd. at Kempsville Rd.	1,150,000	1/31/2022
This project will provide for the extension of turn lanes in the vicinity of the Butts Station Road intersection at Kempsville Road. This project will include the design and installation of pavement widening, associated improvements to the drainage system, and relocation of existing utilities.			
42-240	Cedar Road Repaving	997,280	10/31/2020
44-170	Centerville Bridge Super Structure Repairs	150,000	Completed
This project will provide for repairs and rehabilitation of the super structure of the existing Centerville Turnpike Bridge.			
44-230	Pedestrian Sidewalk and Street Lighting - Poindexter St. at I-464 Overpass	548,500	9/30/2022
This project will provide for the construction of a new 5 ft. wide sidewalk with pedestrian facilities along the south side of Poindexter Street at the I-464 overpass. The new sidewalk will connect on the west end to the existing sidewalk at the signal for the South Norfolk Jordan Bridge and Truxton Street, and will connect on the east end to the existing sidewalk at the intersection of Poindexter Street and Bainbridge Boulevard. This project will also include the installation of a pedestrian warning light signal (an actuated Rectangular Rapid Flashing Beacon or RRFB) at the crosswalk for the I-464 northbound off-ramp, the installation of new pedestrian railing along the bridge side wall, and the installation of new street lights across the I-464 overpass. This project will also include a connection to the adjacent Elizabeth River Park.			
45-170	Sunray Overpass Rehabilitation	4,448,000	Completed
This project will provide for the rehabilitation of the existing bridge structure in order to extend the service life of the bridge.			
45-230	Right Turn Lane Extension: Greenbrier Pkwy. at Kempsville Rd.	350,000	12/31/2021
This project will provide for the extension of the right turn lane on Greenbrier Parkway at Kempsville Road. This project will include the design and installation of pavement widening, improvements to the associated drainage system, and relocation of existing utilities.			
46-200	Chesapeake Expressway Administration Building Modifications	720,300	Unknown

CAPITAL IMPROVEMENT PLAN FY 2021 to FY 2025

STATUS OF FULLY FUNDED PROJECTS

As of June 23, 2020

This project will provide for modifications to the Chesapeake Expressway Administration Building to accommodate additional staffing and modify the control room in preparation for monitoring of the Dominion Boulevard toll system.			
46-230	Right Turn Lane: South Norfolk Area (Campostella Rd. at Sunrise Ave.)	150,000	9/30/2021
This project will provide for the addition of new right turn lane on Campostella Road at Sunrise Avenue in the City's South Norfolk area. This project will also include improvements to the associated drainage system needed for this lane addition.			
47-230	Right Turn Lanes: Deep Creek Area	338,000	3/30/2022
This project will provide for the addition of new right turn lanes in the City's Deep Creek area. It will include the addition of new right turn lanes along Military Highway (US Route 13) at the intersection with the I-64 ramps (both east bound and west bound). It will also include the addition of a new right turn lane along the west bound lanes of Moses Grandy Trail at Terwillinger Road with the associated drainage system improvements for this lane addition.			
48-170	South Norfolk Railroad Crossings	398,364	Completed
This project will construct cul-de-sacs and remove the existing railroad infrastructure at the Railroad Avenue and Narrow Street crossings.			
54-230	Intersection Improvements: Battlefield Blvd. at Great Bridge Blvd. & Kempsville Rd.	1,210,000	9/30/2021
This project will provide for the intersection improvements at the intersection of Battlefield Boulevard at Great Bridge Boulevard and Kempsville Road. This project will provide for the widening of Great Bridge Boulevard in order to improve eastbound traffic onto Kempsville Road and southbound traffic onto Battlefield Boulevard.			
55-230	Repaving: Kempsville Rd.	999,000	Completed
This project will provide for repaving both directions of Kempsville Road between the 600 and 1100 blocks, and the eastbound lanes between Battlefield Boulevard and Clearfield Avenue.			
59-230	Flashing Yellow Arrow (FYA) Installation - Western Branch Blvd.	159,000	12/31/2021
This project will convert existing traffic signals on Western Branch Boulevard to flashing yellow arrow traffic signals. This project will include the replacement of existing signal heads and upgrade for signal controllers to provide Flashing Yellow Arrow (FYA) operations.			
60-230	Flashing Yellow Arrow (FYA) Installation - Cedar Rd.	313,000	12/31/2021
This project will convert existing traffic signals on Cedar Road to flashing yellow arrow traffic signals. This project will include the replacement of existing signal heads and upgrade for signal controllers to provide Flashing Yellow Arrow (FYA) operations.			
67-121	Traffic Signals and Intersection Improvements - Phase II	1,022,638	12/31/2021
This project will design and install new traffic signals and associated intersection improvements. This is phase II of an ongoing project.			